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II. The apparent Times of the Immersions and
Emerisions of Jupiter's Satellites, which will
happen in the Year 1737. Computed to the
Meridian of the Royal Observatory at
Greenwich, by James Hodgson, F. R. S.
and Master of the Royal Mathematical
School in Christ-Hospital, London.

*The apparent Times of the ECLIPSES of the First
Satellite of JUPITER.*

| D. H. M. | | | | D. H. M. | | | | D. H. M. | | | |
|------------|----|----|---|-------------|----|----|---|-------------|----|----|-----|
| | | | | MARCH. | | | | APRIL. | | | |
| JANUARY. | | | | Immersions. | | | | Immersions. | | | |
| Emersions. | | | | 1 | 3 | 53 | M | 2 | 0 | 37 | M |
| 1 | 8 | 23 | A | 2 | 10 | 22 | A | 3 | 7 | 6 | A |
| 3 | 2 | 51 | A | 4 | 4 | 51 | A | 5 | 1 | 35 | A |
| 5 | 9 | 19 | M | 6 | 11 | 20 | M | 7 | 8 | 4 | M |
| 7 | 3 | 47 | M | 8 | 5 | 49 | M | 9 | 2 | 33 | M |
| 8 | 10 | 15 | A | 9 | 11 | 18 | A | 10 | 9 | 2 | A |
| 10 | 4 | 44 | A | 11 | 6 | 47 | A | 12 | 3 | 31 | A |
| 12 | 11 | 12 | M | 13 | 1 | 17 | A | 14 | 10 | 0 | M |
| 14 | 5 | 40 | M | 15 | 7 | 46 | M | 16 | 4 | 28 | M |
| 17 | 6 | 37 | A | 17 | 2 | 15 | M | 17 | 10 | 58 | A |
| 19 | 1 | 5 | A | 18 | 8 | 44 | A | 19 | 5 | 26 | A |
| | | | | 20 | 3 | 13 | A | 21 | 11 | 55 | M |
| | | | | 22 | 9 | 42 | M | 23 | 6 | 24 | M |
| | | | | 24 | 14 | 11 | M | 25 | 0 | 52 | M |
| | | | | 25 | 10 | 41 | A | 26 | 7 | 21 | A |
| | | | | 27 | 5 | 6 | A | 28 | 1 | 50 | A |
| 25 | 3 | 54 | A | 29 | 11 | 39 | M | 29 | 8 | 18 | M |
| 27 | 9 | 23 | M | 31 | 6 | 8 | M | | | | May |

*The apparent Times of the ECLIPSES of the first
Satellite of JUPITER.*

| D. H. M. | D. H. M. | M. H. D. |
|-------------|-------------|-------------|
| | | |
| MAY. | | AUGUST. |
| Immersions. | | Immersions. |
| 2 2 47 M | 13 2 5 A | 2 3 22 M |
| 3 9 15 A | 15 8 34 M | 3 9 51 A |
| 5 3 44 A | 17 3 2 M | 5 4 20 A |
| 7 10 12 M | 18 9 30 A | 7 10 49 M |
| 9 4 45 M | 20 3 58 A | 9 5 18 M |
| 10 11 9 A | 22 10 26 M | 10 11 47 A |
| 12 5 38 A | 24 4 55 M | 12 6 16 A |
| 14 0 6 A | 25 11 23 A | 14 0 45 A |
| 16 6 34 M | 27 5 51 A | 16 7 15 M |
| 18 1 1 M | 29 0 19 A | 18 1 44 M |
| | JULY. | |
| 19 7 31 A | 1 6 48 M | 19 8 13 A |
| 21 1 59 A | 1 16 M | 21 2 42 A |
| 23 8 27 M | 3 1 M | 23 9 11 M |
| 25 2 56 M | 4 7 44 A | 25 3 41 M |
| 26 9 24 A | 6 2 13 A | 26 10 10 A |
| 28 3 52 A | 8 8 41 M | 28 4 39 A |
| 30 10 20 M | 10 3 9 M | 30 11 7 M |
| | IMMERSIONS. | |
| JUNE. | | |
| Immersions. | | SEPTEMBER. |
| 1 4 48 M | 13 4 6 A | Emersions. |
| 2 11 17 A | 15 10 35 M | |
| 4 5 46 A | 17 5 4 M | |
| 6 0 13 A | 18 11 32 A | |
| 8 6 41 M | 20 6 1 A | |
| 10 1 9 M | 22 0 29 A | 1 7 51 M |
| 11 7 36 A | 24 6 58 M | 3 2 21 M |
| | 26 1 27 M | 4 8 50 A |
| | 27 7 56 A | 6 3 19 A |
| | 29 2 25 A | 8 9 49 M |
| | 31 8 53 M | 10 4 18 M |
| | | SEPTEM- |

*The apparent Times of the ECLIPSES of the first
Satellite of JUPITER.*

| D. | H. | M. | | D. | H. | M. | | D. | H. | M. | |
|------------|----|----|------------|----|----|----|---|----|------------|----|---|
| | | | SEPTEMBER. | 13 | 7 | 34 | A | 21 | 6 | 3 | A |
| | | | Emersions. | 15 | 2 | 3 | A | 23 | 0 | 31 | A |
| 11 | 10 | 47 | A | 17 | 8 | 31 | M | 25 | 6 | 59 | M |
| 13 | 5 | 17 | A | 19 | 3 | 0 | M | 27 | 1 | 27 | M |
| 15 | 11 | 46 | M | 20 | 9 | 29 | A | 28 | 7 | 55 | A |
| 17 | 6 | 15 | M | 22 | 3 | 58 | A | 30 | 2 | 23 | A |
| 19 | 0 | 43 | M | 24 | 10 | 27 | M | | DECEMBER. | | |
| 20 | 7 | 14 | A | 26 | 4 | 56 | M | | Emersions. | | |
| 22 | 1 | 43 | A | 27 | 11 | 25 | A | 2 | 8 | 51 | M |
| 24 | 8 | 13 | M | 29 | 5 | 53 | A | 4 | 3 | 19 | M |
| 26 | 2 | 43 | M | 31 | 0 | 22 | A | 5 | 9 | 47 | A |
| 27 | 9 | 11 | A | | | | | 7 | 4 | 16 | A |
| 29 | 3 | 40 | A | | | | | 9 | 10 | 44 | M |
| | | | NOVEMBER. | | | | | 11 | 5 | 12 | M |
| | | | Emersions. | 2 | 6 | 51 | M | 12 | 11 | 40 | A |
| OCTOBER. | | | | 4 | 1 | 19 | M | 14 | 6 | 8 | A |
| Emersions. | | | | 5 | 7 | 48 | A | 16 | 0 | 35 | A |
| 1 | 10 | 10 | M | 7 | 2 | 16 | A | 19 | 7 | 3 | M |
| 3 | 4 | 39 | M | 9 | 8 | 45 | M | 20 | 1 | 31 | M |
| 4 | 11 | 8 | A | 11 | 3 | 13 | M | 21 | 7 | 59 | A |
| 6 | 5 | 37 | A | 12 | 9 | 42 | A | 23 | 2 | 28 | A |
| 8 | 0 | 6 | A | 14 | 4 | 10 | A | 25 | 8 | 56 | M |
| 10 | 6 | 35 | M | 16 | 10 | 38 | M | 27 | 3 | 24 | M |
| 12 | 1 | 5 | M | 18 | 5 | 26 | M | 28 | 9 | 52 | A |
| | | | Emersions. | 19 | 11 | 35 | A | 30 | 4 | 20 | A |

The

*The apparent Times of the ECLIPSES of the second
Satellite of JUPITER.*

| D. | H. | M. | D. | H. | M. | D. | A. | M. | |
|-------------|----|----|-------------|-------------|----|------|-------------|------|------|
| JANUARY. | | | APRIL. | | | 9 | 6 | 36 A | |
| Emersions. | | | Immersions. | | | 13 | 7 | 54 M | |
| 4 | 0 | 3 | A | 3 | 5 | 56 M | 16 | 9 | 11 A |
| 8 | 1 | 20 | M | 6 | 7 | 15 A | 20 | 10 | 28 M |
| 11 | 2 | 38 | A | 10 | 8 | 33 M | 23 | 11 | 46 A |
| 15 | 3 | 55 | M | 13 | 9 | 52 A | 27 | 1 | 3 A |
| 18 | 5 | 13 | A | 17 | 11 | 11 M | JULY. | | |
| FEBRUARY. | | | 21 | 0 | 29 | M | 1 | 2 | 20 M |
| 24 | | | 24 | 1 | 48 | A | 4 | 3 | 38 A |
| 26 | 4 | 44 | A | 28 | 3 | 6 M | 8 | 4 | 56 M |
| Immersions. | | | MAY. | | | 11 | 6 | 13 A | |
| 26 | 4 | 44 | A | Immersions. | | | 15 | 7 | 31 M |
| MARCH. | | | 1 | 4 | 24 | A | 18 | 8 | 50 A |
| Immersions. | | | 5 | 5 | 42 | M | 22 | 10 | 8 M |
| 2 | 6 | 3 | M | 8 | 7 | 0 A | 25 | 11 | 26 A |
| 5 | 7 | 23 | A | 12 | 8 | 18 M | 29 | 0 | 45 A |
| 9 | 8 | 42 | M | 15 | 9 | 35 A | AUGUST. | | |
| 12 | 10 | 1 | A | 19 | 10 | 53 M | Immersions. | | |
| 14 | 11 | 20 | M | 23 | 0 | 12 M | 2 | 2 | 3 M |
| 20 | 0 | 39 | M | 26 | 1 | 27 A | 5 | 3 | 22 A |
| 23 | 1 | 59 | A | 30 | 2 | 45 M | 9 | 4 | 41 M |
| 27 | 3 | 18 | M | JUNE. | | | 12 | 6 | 0 A |
| 30 | 4 | 37 | A | Immersions. | | | 16 | 7 | 19 M |
| | | | | 2 | 4 | 2 A | 19 | 8 | 33 A |
| | | | | 6 | 5 | 19 M | 23 | 9 | 58 M |
| | | | | 26 | 11 | 17 A | 30 | 1 | 37 A |
| | | | | SEPTEMBER. | | | | | |

*The apparent Times of the ECLIPSES of the second
Satellite of JUPITER.*

*The apparent Times of the ECLIPSES of the third
Satellite of JUPITER.*

*The apparent Times of the ECLIPSES of the third
Satellite of JUPITER.*

| D. | H. | M. | | D. | H. | M. | | D. | H. | M. | | | |
|-------------|----|----|---|----|----|----|---|--------|----|----|--|--|--|
| ARRIL. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 3 | 10 | 57 | A | 7 | 11 | 3 | M | 3 | 7 | 7 | | | |
| 11 | 2 | 59 | M | 14 | 3 | 3 | A | 10 | 11 | 10 | | | |
| 18 | 7 | 1 | M | 21 | 7 | 2 | A | 18 | 3 | 13 | | | |
| 25 | 3 | 11 | M | 28 | 11 | 1 | A | 25 | 7 | 17 | | | |
| Emersions. | | | | | | | | | | | | | |
| 4 | 2 | 21 | M | 7 | 2 | 21 | A | 1 | 2 | 29 | | | |
| 11 | 6 | 23 | M | 14 | 6 | 19 | A | 8 | 6 | 32 | | | |
| 18 | 10 | 24 | M | 21 | 10 | 18 | A | 15 | 10 | 36 | | | |
| 25 | 2 | 25 | A | 29 | 2 | 17 | M | 23 | 2 | 39 | | | |
| MAY. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 2 | 3 | 4 | A | 6 | 3 | 1 | M | 7 | 7 | 41 | | | |
| 9 | 7 | 5 | A | 13 | 7 | 2 | M | 14 | 11 | 45 | | | |
| 16 | 11 | 5 | A | 20 | 11 | 3 | M | 21 | 3 | 47 | | | |
| 24 | 3 | 4 | M | 27 | 3 | 5 | A | 28 | 7 | 49 | | | |
| Emersions. | | | | | | | | | | | | | |
| 2 | 6 | 25 | A | 6 | 16 | 16 | M | 7 | 10 | 45 | | | |
| 9 | 10 | 25 | A | 13 | 10 | 16 | M | 14 | 2 | 47 | | | |
| 17 | 2 | 25 | A | 20 | 2 | 16 | A | 21 | 6 | 49 | | | |
| 24 | 6 | 24 | M | 27 | 6 | 17 | A | 28 | 10 | 50 | | | |
| 31 | 10 | 22 | M | | | | | NOVEM- | | | | | |
| JUNE. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 3 | 11 | 1 | M | 10 | 13 | 13 | M | 1 | 2 | 29 | | | |
| 10 | 18 | 1 | M | 17 | 10 | 18 | A | 8 | 6 | 32 | | | |
| 18 | 25 | 1 | M | 22 | 17 | 17 | A | 15 | 10 | 36 | | | |
| 25 | 1 | 25 | A | 30 | 6 | 1 | M | 23 | 2 | 39 | | | |
| Emersions. | | | | | | | | | | | | | |
| 4 | 11 | 21 | M | 7 | 2 | 21 | A | 1 | 2 | 29 | | | |
| 11 | 18 | 24 | M | 14 | 6 | 19 | A | 8 | 6 | 32 | | | |
| 18 | 25 | 25 | A | 21 | 10 | 18 | A | 15 | 10 | 36 | | | |
| 25 | 1 | 1 | M | 29 | 2 | 17 | M | 23 | 2 | 39 | | | |
| JULY. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 2 | 9 | 5 | A | 6 | 3 | 1 | M | 7 | 7 | 41 | | | |
| 9 | 16 | 5 | A | 13 | 7 | 2 | M | 14 | 11 | 45 | | | |
| 16 | 23 | 4 | M | 20 | 11 | 3 | M | 21 | 3 | 47 | | | |
| 24 | 7 | 4 | M | 27 | 3 | 5 | A | 28 | 7 | 49 | | | |
| Emersions. | | | | | | | | | | | | | |
| 2 | 10 | 25 | A | 6 | 16 | 16 | M | 7 | 10 | 45 | | | |
| 9 | 17 | 25 | A | 13 | 10 | 16 | M | 14 | 2 | 47 | | | |
| 16 | 2 | 25 | A | 20 | 2 | 16 | A | 21 | 6 | 49 | | | |
| 24 | 6 | 24 | M | 27 | 6 | 17 | A | 28 | 10 | 50 | | | |
| AUGUST. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 3 | 10 | 10 | M | 10 | 11 | 10 | A | 1 | 2 | 29 | | | |
| 10 | 18 | 1 | M | 17 | 10 | 18 | A | 8 | 6 | 32 | | | |
| 18 | 25 | 1 | M | 22 | 17 | 17 | A | 15 | 10 | 36 | | | |
| 25 | 1 | 1 | M | 30 | 6 | 1 | M | 23 | 2 | 39 | | | |
| SEPTEMBER. | | | | | | | | | | | | | |
| Emersions. | | | | | | | | | | | | | |
| 1 | 8 | 6 | M | 15 | 10 | 18 | A | 1 | 2 | 29 | | | |
| 8 | 15 | 6 | M | 22 | 17 | 17 | A | 8 | 6 | 32 | | | |
| 15 | 22 | 6 | M | 29 | 2 | 17 | M | 15 | 10 | 36 | | | |
| 22 | 1 | 1 | M | 30 | 6 | 1 | M | 23 | 2 | 39 | | | |
| OCTOBER. | | | | | | | | | | | | | |
| Immersions. | | | | | | | | | | | | | |
| 7 | 14 | 7 | M | 14 | 11 | 45 | M | 7 | 7 | 41 | | | |
| 14 | 21 | 7 | M | 21 | 3 | 47 | A | 14 | 11 | 45 | | | |
| 21 | 28 | 7 | M | 27 | 3 | 49 | A | 21 | 3 | 47 | | | |
| NOVEMBER. | | | | | | | | | | | | | |
| Emersions. | | | | | | | | | | | | | |
| 7 | 14 | 10 | M | 14 | 11 | 45 | M | 7 | 10 | 45 | | | |
| 14 | 21 | 2 | M | 21 | 6 | 49 | A | 14 | 2 | 47 | | | |
| 21 | 28 | 6 | M | 27 | 10 | 50 | A | 21 | 6 | 49 | | | |

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*The apparent Times of the ECLIPSES of the third
Satellite of JUPITER.*

| D. | H. | M. | | D. | H. | M. | | D. | H. | M. |
|----|----|----|-------------|----|----|----|---|----|----|----|
| | | | NOVEMBER. | 12 | 6 | 51 | M | 17 | 11 | 49 |
| | | | Immersions. | 19 | 10 | 50 | M | 25 | 3 | 48 |
| 4 | 11 | 51 | A | 26 | 2 | 49 | A | | | |
| 12 | 3 | 52 | M | | | | | | | |
| 19 | 7 | 52 | M | | | | | | | |
| 25 | 11 | 52 | M | | | | | | | |
| | | | Emersions. | 3 | 3 | 51 | A | 18 | 2 | 43 |
| 5 | 2 | 51 | M | 10 | 7 | 50 | A | 25 | 6 | 41 |
| | | | | | | | | | | |

*The apparent Times of the ECLIPSES of the fourth
Satellite of JUPITER.*

| | | | | | | | | | | | |
|----|----|----|-------------|----|----|----|------------|----|---|----|---|
| | | | JANUARY. | | | | Emersions. | 23 | 6 | 22 | M |
| | | | Immersions. | 12 | 7 | 39 | M | | | | |
| 14 | 7 | 41 | A | 29 | 1 | 48 | M | 6 | 2 | 43 | A |
| | | | Emersions. | | | | | 23 | 9 | 8 | M |
| 15 | 0 | 6 | M | | | | | | | | |
| | | | MARCH. | 14 | 4 | 18 | A | | | | |
| | | | Immersions. | | | | Emersions. | 10 | 0 | 48 | M |
| 6 | 2 | 32 | M | 14 | 7 | 50 | A | 26 | 7 | 12 | A |
| 22 | 8 | 54 | A | | | | | | | | |
| | | | Emersions. | | | | | | | | |
| 6 | 26 | 45 | M | 1 | 10 | 30 | M | 10 | 3 | 23 | M |
| 23 | 1 | 1 | M | 18 | 4 | 46 | M | 26 | 9 | 35 | A |
| | | | | | | | | | | | |
| | | | APRIL. | | | | Emersions. | | | | |
| | | | Immersions. | 1 | 2 | 0 | A | 12 | 1 | 15 | A |
| 8 | 3 | 14 | A | 18 | 8 | 9 | M | 29 | 7 | 51 | M |
| 25 | 9 | 33 | M | | | | | | | | |
| | | | Emersions. | | | | | | | | |
| 8 | 7 | 17 | A | 3 | 11 | 7 | A | 12 | 3 | 25 | A |
| 25 | 1 | 29 | A | 20 | 5 | 30 | A | 20 | 9 | 47 | M |
| | | | | | | | | | | | |
| | | | MAY. | | | | Emersions. | | | | |
| | | | Immersions. | 3 | 14 | 20 | A | 16 | 3 | 9 | M |
| 12 | 3 | 49 | M | | | | | | | | |
| 28 | 10 | 4 | A | | | | Emersions. | 16 | 4 | 49 | M |
| | | | | | | | | | | | |
| | | | | | | | | | | | |